

# APPENDIX K - *Old-Growth Acreage*

The acreage of old-growth in the Callahan watershed was calculated using seral stage and density information from the Ecological Unit Inventory (EUI). The criteria used to determine if a conifer stand qualified as old-growth are as follows: seral stage of late-mature or old-growth and a total tree density of >40%. The EUI definition of late-mature is two or more vegetation layers present and conifers in the top layer >30" dbh. The definition of old-growth is a multi-layer stand with a top layer >30" dbh, vertical and

horizontal diversity is high and substantial defect is found in the stand. For this analysis, the two classifications were combined and labeled old-growth.

The following table shows the amount of old-growth in the area covered by the EUI mapping. The information is broken out by vegetation type and land designation.

ACREAGE BY VEGETATION TYPE									
Land Designation	Hardwood Conifer	Jeffrey Pine Mixed Conifer	PonderosaPine Mixed Conifer	Douglas-Fir Mixed Conifer	White Fir Mixed Conifer	True Fir	Hemlock	Enriched 1/ Mixed Conifer	Total
Private Lands	0	39	50 31*	23 12*	182 19*	254 18*	270 30*	0	932
Wilderness	0	47 4*	222	8	1,120 12*	2,255	1,765 1*	849	6,283
100 Ac LSRs	0	0	54	0	100	10	0	0	164
Eddy Gulch LSR	0	0	75	621	1,778 46*	591 22*	206	0	3,339
Cement Banks LSR	0	193*	40 66*	27 13*	143 59*	55	0	0	596
Mapped Riparian Reserves	3*	52 50*	49 11*	108 9*	131 52*	212 1*	28	8	714
Retention	0	81 23*	48 25*	106	51	107	59	1	501
Partial Retention	17*	232 1*	120 19*	46 30*	310 70*	951 24*	176	0	1,996
General Forest	0	0	9 14*	0	0	105	49	33	210
Total Old-Growth (Percent)	20 (1)	722 (12)	833 (10)	994 (21)	4,073 (34)	4,605 (34)	2,588 (42)	891 (27)	14,726 (23)
Old-Growth FS Land (Percent)	20 (2)	683 (19)	752 (23)	959 (37)	3,872 (39)	4,333 (37)	2,284 (41)	891 (29)	13,794 (30)

1/ The trees in this vegetation type often grow on harsh sites and stay in a smaller diameter class into late-seral stages. The EUI classification could underestimate the amount of old-growth in this vegetation type.

\* Stands with evidence of activity, e.g., timber harvest, fire.